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2nd QUARTER RESURVEY REPORT OF SUBSIDENCE SURVEY JACKPILE MINE LAGUNA, NEW MEXICO

AUG 12 1977

U. S. Geological Survey Carlsbad, N. M.

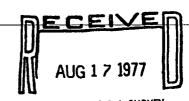
Confidential Claim Retracted

Authorized by:_

Date: 6/24/13

Prepared by Marmon Engineering Surveys Laguna, New Mexico

July 1, 1977



U S. GEOLOGIPA UPAR THE ALBUQUERQUE, NEW MENOU

9404343

POL-EPA01-0005596

REPORT OF ADDITIONAL SUBSIDENCE STATIONS ESTABLISHED THIS SURVEY.

Eight new stations, 35N, 36N, 37N, 38N, 39S, 40S, 41S and 42S were established and incorporated into the subsidence survey system during this quarter survey.

The eight stations are identical in construction to the previously established stations, and their horizontal and vertical positions were determined by ties to the control quadrilateral.

The new stations are approximately 1.2 miles northeast of the first group of stations, and are positioned at intervals of 100 feet in groups of four on each side of State Road 279.

CONFIDENTIAL POL-EPA01-0005597

"" ANACONDA SUBSIDENCE SURVEY ""JACKPILE MINE, LAGUNA, NEW MEXICO

DATE OF SURVEY: July 1, 1977 MARMON ENGINEERING SURVEYS

STATION	NORTH	EAST		A INIT.	ELEVATION	DELTA INI
			N	E		
- 1 N	1,001,855.730	990,225.745	-0.078	+0.025	6281.595	-0.016
2 N	1,001,877.345	990,128.188	-0.038	-0.025	6288.530	-0.020
א־בּ	1,001,898.947	990,030.612	-0.048	-0.006	6293.555	-0.042
~~~4N	1,001,921.680	989,933.240	-0.041	-0.091	6303.745	-0.034
5 N .	1,001,941.947	989,835.674	-0.002	+0.021	6315.637	-0.042
~~~~ N	1,001,963.570	989,738.056	+0.007	+0.039	6313.793	-0.024
- - 	1,001,985.001	787,640.854	-0.047	+0.037	6325.245	-0.029
BN	1,002,006.566	989,543.233	-0.008	+0.018	6333.108	-0.009
7 N	1,002,029.738	989,446.090	-0.034	+0.110	6346.798	-0.009
10N	1,002,057.894	789, 350, 329	-0.010	-0.004	6356.410	-0.009
11S	Destroyed	•				
125	1,001,883.659	989,413,336	+0.007	+0.023	6355.770	-0.0201
138	1,001,860.487	989.510.585	-0.030	+0.016	6349.500	+0.013
145	1,001,838.935	989.608.181	-0.029	+0.025	6349.070	+0.0047
155	1,001,817.409	989,705.639	-0.053	+0.058	6329.372	-0.010
168	1,001,795.882	989.803.059	-0.023	-0.004	6319.267	-0.012
~ 17S	1,001,774.479	989,900.573	+0.016	-0.023	6317.517	-0.005
188	Destroyed	•				
, 198	1,001,731.324.	990,095.619	-0.023	-0.035	6303.907	-0.017
20 S	1,001,709.750	990.193.225	-0.067	+0.002	6297.390	-0.046
21E	1,002,413.840	988,801.707	-0.075	+0.075	6374.502	-0.050
~~22E	1,002.488.038	788.735.141	-0.031	-0.030	5374.378	-0.073
23E	1,002,567.961	988,675,173	-0.013	+0.067	6370.021	-0.026
- 24E	1,002,651.977	988.621.027	-0.006	+0.002	6372.253	-0.025
3 25E	1,002,739.823	988,573.347	-0.009	+0.028	63752042	-0.022
726E	1,002,830.991	988,532,245	-0.031	+0.030	6375.338	-0.0067.
27E	1,002,925.973	988,498.734	+0.005	+0.029	6362.626	-0.042
28W	1,002,820.799	788,322,306	+0.055	+0.008	6382.043	-0.013
29W.	1,002,727.722	988,358.817	+0.050	-0.003	6389.713	+0.006
30W	1,002,637.277	988,401.341	+0.006	-0.001	6396.227	-0.046
31W	1,002,549.585	988,449.428	-0.061	+0.004	6390.170	+0.004
32W	1,002,465.320	988,503.120	-0.056	-0.012	6396.555	-0.009
33W	1,002,384.610	988.562.128	-0.071	-0.010	6397.540	+0.009
34W	1,002,307.922	988,626.189	-0.044	+0.014	6395.121	+0.007
•	-,,,,,,,,,,	700,0101107			00/01111	
		New Stations,	First Surv	ev		
35N	1,007,915.919	992,533.789	+0.000	+0.000	5093.053	+0.000
36N	1,007,959.732	992,623,401	+0.000	+0.000	6089.604	+0.000
37N	1,008,006.171	992,712.086	+0.000	+0.000	6086.071	+0.000
- 38N	1,008,055.693	792,798.805	+0.000	+0.000	3079,042	+0.000
398	1,007,782.298	992,601.697	+0.000	+0.000	6095.013	+0.000
~ 40S	1,007,826.104	992,691.476	+0.000	+0.000	6095.887	+0.000
- 1 75	1,007,886.870	992,773.032	+0.000	+0.000	6093.260	+0.000
~ 42S	1,007,928.839	992,864.050	+0.000	+0.000	6084.838	+0.000
7 TEU	** AA1 * 150 * 031	772,004.000	· V = V V V		0004*000	I V L V V U

Certification

This is to certify that the data contained within this report was derived from actual field surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Jerry Nickels, Registered Land Surveyor, Certificate No. 6256

July 1, 1977



		RECHIVED					
State of New Mexico HEALTH and SOCIAL SERVICES DEPARTMENT		5-6-77					
SCIENTIFIC LABORATORY SYSTEM WATER REPORT Type - Print with ball-point pen. See back of first copy for important information. Please y	SLS user code No. 64201 Exerc full is formation to avoid report del	Tres W					
Water Supply System name ACK PILE	13ato roceivod 5-2-77 Lab. No.	1 me received					
Collection point NEW SHOP WELL DISINFECTED? Fives Kino	RESULTS of TESTS for COLIFORM GROUP						
Anaconda Company RESIDUAL: mg/L	Presumptive Confirmed Vol- House 24 hr 48 hr 24 hr 48 hr	COMPLETED					
PUBLIC — Community Swimming Pool PRIVATE [X]PUBLIC — Non-Community Other:	A 10 mt						
X ROUTINE Sample	C 10 ml						
TEST REQUIRED - CHECK ONE	E 10 mi						
Potability - Coliform Group Other - specify:	v: Total (mpn) POSITIVE TUBES (confirmed)						
Fecal Coliform	Total (mf)	/100 ml /100 ml					
SEND REPORT to the following (Name and Address)	o Fecal (mpn)	/100 ml					
The Anaconda Company Mr. T. R. Beck - Manager P. O. Box 638 Grants, NM 87020	Other:	/100 ml					
SLS 008 Form Revised 5/76 (Replaces EIA 005) DISTRIBUTION: WHITE: WS Reg. Santa Fe	CANARY: WS System PINK: EIA	A Regional Field Office					
State of New Maxico HEALTH and SOCIAL SERVICES DEPARTMENT							
SCIENTIFIC MICROBIOLOGICAL LABORATORY SYSTEM WATER REPORT Type - Print with ball-point pen. See back of first copy for important information. Please gi	SLS user code No. 64201						
Water-Supply System name WSS Code No. County name JACK DILF	Date received 5 2 2 2	Time received					

State of New Mexico HEALTH and SOCIAL SERVICES DEPAR	THE												
SCIENTIFIC MICROBIOLOGICAL					SLS user code No.								
LABORATORY SYSTEM		WATER REPORT			64201								
Type - Print with ball-point pen. See bac	se sive	tull inf	ornation to	avoid r	roort de								
	Atax Supply System name WSS Code No. County name					Date received							
JACK DILE Date collected		Valencia	ij	5-2-77 Z									
5/2/77 Collection point	Time collected	Collected by J.R.	L	b. No.				57	526				
P-10	Contection point			050.11.70									
System owner Anaconda Company	DISINFECTED? LYES NO		.) Vol-	Presumptiv		irmed							
	T	RESIDUAL: mg	/L	ume	24 hr 48 h	134TY	نالم فعال	T T790M	PLETED				
PUBLIC — Community	Swimming	POOI PRIVATE	A	10 mi		NE	UL	IVL	D				
IN INCOMPLIENT IN INCOMPLIANT	PRIVATE Other:												
ROUTINE Sample Special						† A	UG 1	3 1977					
Environmental survey completed?						 	 						
TEST REQUIRED - CHECK ONE [X] Potability - Coliform Group Other - specify					11	9 (eolo	rical S					
						U, S. Geological Survey Carlstant NaM (confirmed)							
Fecal Colliform	12 Killer - 3, 16	(4)	>	Total		L ia	resta	ME INBIM	· .				
Lifecal Colliform			· · · · l · O	6! Fotal (mpn)				/100 mi					
SEND REPORT to the following (Non	na Lad Addows I			Total			$\leq \perp$		/100 ml				
SEND REPORT to the following (Name and Address)					(mpn)				/100 ml				
The Anaconda Company					(mt)				/100 ml				
Mr. M. P. Pools													
Mr. T. R. Beck - Manager													
P. O. Box 638								••• •• •••••					
Grants, NM 87020					**********								
<u>L</u>	 a::												
SLS 008 Form Revised 5/76 (Replaces LIA 005) CASTRIBUTION				alyst		l.	V3	Date res	ピツコ1				
WAYTE AND CONTROL					11	<u>_</u>							

THE ANACONDA COMPANY WATER ANALYSIS

DESCRIPTION	Date	Cl ppm	SO ₄	NO3	Na ppm	Cond umhos	рH	U-Nat pCi/l	Ra-226 pCi/l	Th-23 pCi/l
Jackpile P-10 Well	5-13-77	22	599	(1	480	1650	8.5	2.6	1.6	0.7
Jackpile New Shop Well	5-13-77	25	685	(1	555	1850	8.5	2.4	1.7	1.1
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US CEDLOGICAL ALBUQUERQUE, N	CURVEY									
ALBUQUERQUE, III				 	 	-				
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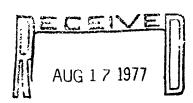
WATER PUMPED

2nd Quarter 1977

P-10 Well 982,000

New Shop Well 1,288,000

P-10 Mine 21,571,000



U S GEOLOGICAL SURVEY ALBUQUERQUE, NEW MEXICO

POL-EPA01-0005602

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